

	Type	L #	Hits	Search Text	Dbs	Time Stamp	Comments	Error Definition	Error Rows
1	BRS	L1	85	arsacs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:28			0
2	BRS	L3	6	spastin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:36			0
3	BRS	L4	95984	nucleic adj acid	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:36			0
4	BRS	L5	11445	exon	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:37			0
5	BRS	L7	48103	(vertebrate or human) same gene	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:38			0
6	BRS	L8	1	"12793" adj base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:45			0
7	BRS	L9	695	4 same 5 same 7	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:39			0
8	BRS	L10	42328	base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:40			0
9	BRS	L11	71	9 same 10	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:41			0
10	BRS	L12	5	"13000" adj base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:45			0
11	BRS	L13	0	9 same 12	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:46			0
12	BRS	L14	13	"14000" adj base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:46			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
13	BRS	L15	0	9 same 14	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:46			0
14	BRS	L16	26	"15000" adj base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:46			0
15	BRS	L17	0	9 same 16	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:47			0
16	BRS	L18	49	hudson adj thomas.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:47			0
17	BRS	L19	1	engert adj james.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:48			0
18	BRS	L20	62	richter adj andrea.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:48			0
19	BRS	L21	0	(18 or 19 or 20) and (1 or 3 or 9)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/0 2 17:49			0

FILE 'HOME' ENTERED AT 17:51:15 ON 02 JAN 2003

=> file medline caplus biosis embase scisearch agricola

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 17:51:42 ON 02 JAN 2003

FILE 'CAPLUS' ENTERED AT 17:51:42 ON 02 JAN 2003

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FILE 'AGRICOLA' ENTERED AT 17:51:42 ON 02 JAN 2003

=> s arsacs

L1 56 ARSACS

=> s spastin

L2 174 SPASTIN

=> s nucleic acid (p) exon (p) (vertebrate or human)

3 FILES SEARCHED...

L3 724 NUCLEIC ACID (P) EXON (P) (VERTEBRATE OR HUMAN)

=> s l3 (p) l2

L4 0 L3 (P) L2

=> s l2 (p) (human or vertebrate) (p) gene

3 FILES SEARCHED...

L5 43 L2 (P) (HUMAN OR VERTEBRATE) (P) GENE

=> duplicate remove l5

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L5

L6 33 DUPLICATE REMOVE L5 (10 DUPLICATES REMOVED)

=> s l6 (p) (base pair)

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'L43 (P) '

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'L45 (P) '

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'L47 (P) '

L7 0 L6 (P) (BASE PAIR)

=> d his

(FILE 'HOME' ENTERED AT 17:51:15 ON 02 JAN 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT

17:51:42 ON 02 JAN 2003

L1 56 S ARSACS

L2 174 S SPASTIN

L3 724 S NUCLEIC ACID (P) EXON (P) (VERTEBRATE OR HUMAN)

L4 0 S L3 (P) L2

L5 43 S L2 (P) (HUMAN OR VERTEBRATE) (P) GENE

L6 33 DUPLICATE REMOVE L5 (10 DUPLICATES REMOVED)

L7 0 S L6 (P) (BASE PAIR)

=> s l6 (p) exon  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L56 (P) EXON'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L58 (P) EXON'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L60 (P) EXON'  
L8 1 L6 (P) EXON

=> d l8 1 ibib abs

L8 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:350945 BIOSIS  
DOCUMENT NUMBER: PREV200000350945  
TITLE: Clinical and pathologic findings in hereditary spastic  
paraparesis with spastin mutation.  
AUTHOR(S): White, K. D.; Ince, P. G.; Lusher, M.; Lindsey, J.;  
Cookson, M.; Bashir, R.; Shaw, P. J.; Bushby, K. M. D. (1)  
CORPORATE SOURCE: (1) Department of Human Genetics, 19/20 Claremont Place,  
Newcastle upon Tyne, NE2 4AA UK  
SOURCE: Neurology, (July 12, 2000) Vol. 55, No. 1, pp. 89-94.  
print.  
ISSN: 0028-3878.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

AB Objective: To describe a family with chromosome 2p-linked hereditary  
spastic paraparesis (HSP) associated with dementia and illustrate the  
cerebral pathology associated with this disorder. Background: HSP  
comprises a heterogeneous group of inherited disorders in which the main  
clinical feature is severe, progressive lower limb spasticity. Nongenetic  
classification relies on characteristics such as mode of inheritance, age  
at onset, and the presence or absence of additional neurologic features.  
Several loci have been identified for autosomal dominant pure HSP. The  
most common form, which links to chromosome 2p (SPG4), has recently been  
shown to be due to mutations in spastin, the gene encoding a novel  
AAA-containing protein. Results: The authors report four generations of a  
British family with autosomal dominant HSP in whom haplotype analysis  
indicates linkage to chromosome 2p. In addition, a missense mutation has  
been identified in exon 10 of the spastin gene (A1395G). Dementia was  
documented clinically in one member of the family, two other affected  
family members were reported to have had late onset memory loss, and a  
younger affected individual showed evidence of memory disturbance and  
learning difficulties. Autopsy of the demented patient confirmed changes  
in the spinal cord typical of HSP and also demonstrated specific cortical  
pathology. There was neuronal depletion and tau-immunoreactive  
neurofibrillary tangles in the hippocampus and tau-immunoreactive balloon  
cells were seen in the limbic and neocortex. The substantia nigra showed  
Lewy body formation. The pathologic findings are not typical of known  
tauopathies. Conclusions: The authors confirm that chromosome 2p-linked  
HSP can be associated with dementia and that this phenotype may be  
associated with a specific and unusual cortical pathology.

=> d his

(FILE 'HOME' ENTERED AT 17:51:15 ON 02 JAN 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT  
17:51:42 ON 02 JAN 2003

L1 56 S ARSACS  
L2 174 S SPASTIN  
L3 724 S NUCLEIC ACID (P) EXON (P) (VERTEBRATE OR HUMAN)  
L4 0 S L3 (P) L2  
L5 43 S L2 (P) (HUMAN OR VERTEBRATE) (P) GENE  
L6 33 DUPLICATE REMOVE L5 (10 DUPLICATES REMOVED)  
L7 0 S L6 (P) (BASE PAIR)  
L8 1 S L6 (P) EXON

=> log y

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